1. A stormwater treatment system which comprises:

a housing having a first aperture positioned downstream of a second aperture;

a first filter layer and a second filter layer positioned within the housing; and

a separator layer disposed between the first filter layer and the second filter layer, the first filter layer absorbing contaminants from stormwater to produce a first treated stormwater having an effluent concentration that meets the USEPA Water Quality Criteria and the second filter layer having a controlled pH within a range of between about 9-11 to precipitate substantially all of the dissolved contaminants remaining in the first treated stormwater when the stormwater flows into the first aperture, permeates through the first filter layer, the separator layer and the second filter layer and flows out of the second aperture.

2. The stormwater treatment system of claim 1 wherein the first filter layer is comprised of granular activated carbon.

3. The stormwater treatment system of claim 2 wherein the second filter layer is crushed concrete comprising CaO.

4. The stormwater treatment system of claim 3 wherein the crushed concrete is chemically configured to induce chemical precipitation reactions of substantially all of the dissolved contaminants remaining in the first treated stormwater.

5. The stormwater treatment system of claim 3 wherein the separator is comprised of a geosynthetic material.

6. The stormwater treatment system of claim 5 wherein the contaminants are selected from the group consisting of phosphorous, cadmium, chromium, copper, lead and zinc.

7. The stormwater treatment system of claim 6 which further comprises:

a gravel filter bed positioned on the bottom of the housing.

8. The stormwater treatment system of claim 7 wherein the housing is cement and further comprises a casing, the casing having a sampling port.

9. A method for treating stormwater runoff which comprises:

permeating the stormwater through a first medium to produce a first treated stormwater having an effluent concentration that meets the USEPA Water Quality Criteria; and

flowing the first treated stormwater through a second medium comprised of crushed concrete having a pH within a range of between about 9-11 to precipitate substantially all of the dissolved contaminants remaining in the first treated stormwater.

10. The method according to claim 9 which further comprises flowing the first treated stormwater through a geosynthetic filter material.

11. The method according to claim 10 wherein the first medium is comprised of granular activated carbon.